LINDY®

COMPUTER CONNECTION TECHNOLOGY

16 & 24 Port Fast Ethernet NWAY Switch

User Manual *English*

LINDY No. 25009, 25017

www.lindy.com

CE

Introduction

Thank you for purchasing the LINDY Fast Ethernet NWAY Switch. This high performance network switch is ideal for small networks or for segmenting larger networks into smaller, connected subnets for improved performance.

All of its ports are capable of 10/100Mbps auto-negotiation, while the 10/100Mbps auto-sensing ability provides the easiest, most hassle-free way to integrate older 10Base-T network devices.

This switch delivers a dedicated 10 or 100Mbps connection to every attached client with no bandwidth congestion issues. It also supports an auto MDI/MDI-X function - each port can be used to connect to any other Ethernet device without the need for crossover cables!

Store-and-forward architecture is used by the switch to filter and forward data after each packet is received and examined to be free of errors. All of the ports support full and half-duplex operation which doubles the network bandwidth and allows the simultaneous transmission and reception of frames without causing collisions.

The 'Plug & Play' switch requires no special software to configure and is fully compliant with the 10Base-T specifications of the IEEE802.3 Standard and with 100Base-TX specifications of the IEEE802.3u Standard. Diagnostic LEDs on the front panel show the operating status of both the switch and the individual ports.

Packing List

- 16 or 24 Port 10/100Mbps Fast Ethernet NWAY Switch
- 1 x power cable
- 19" Rack mount brackets with screws, rubber feet
- This manual

Specifications

- Standards: IEEE 802.3 10Base-T, 802.3u 100Base-TX, IEEE 802.3x Flow Control
- Ports: 16 or 24 x RJ-45 10/100Mbps Fast Ethernet
- Auto MDI/MDI-X (Auto crossover)
- Network speed: 10/100/Mbps & Full/Half-duplex mode auto detection
- Switching Architecture: Store and Forward
- MAC Address: 8K
- Buffer Memory: 160KB
- NWAY Auto-negotiation: All ports
- Dimensions: 441 x 130 x 44mm (WxDxH) 24 Port model
- Dimensions: 441 x 161 x 44mm (WxDxH) 16 Port model
- Power Supply: internal 3.3V, 4A (100 ~ 240V AC, 50 ~ 60 Hz, external)
- Operating Temperature: 0-40°C
- Operating Humidity: 10-90% (Non-condensing)
- For indoor use only

LED Indicators
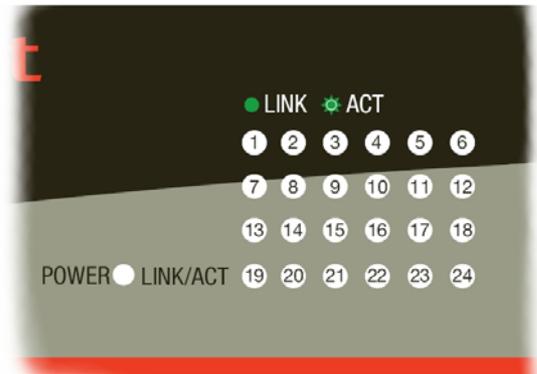
LED	Status	Operation
Power	On	Power is on
	Off	Power is off
Link/Act	On	The port is connected
	Flashing	The port is transmitting or receiving data
	Off	No connection

Installation

Operating Environment

- This switch must be installed and operated within the limits of the specified operating temperature and humidity (see the **Specifications** section)

- Do not place objects on top of the unit. Do not obstruct any vents on the unit

- Do not position the switch in direct exposure to the sun, or near any heat source such as a heater, radiator etc.

- Prevent water and moisture entering the unit. If necessary, use a dehumidifier to reduce humidity.

Connecting network devices

This switch features Auto MDI/MDI-X RJ-45 ports for easy connection to other network devices using straight-through type connecting cable. As a minimum, the network patch cables must at least comply with the Category 5 standard for 10 and 100Mbps data transmission.

1. Connect one end of the network cable to the RJ-45 port on the switch. Connect the other end to the RJ-45 port on the network device

2. Follow the same procedure to connect each of the RJ-45 ports on the switch.

3. Please always be aware that the maximum length of any Ethernet segment is 100m. This can be achieved by using patch cables of no more then 5m length at both ends plus an installation cable in between for the remaining length. Using higher spec network cable can increase this to a certain extent.

4. Connect the power cable to the mains and to the power socket on the unit.

Connecting to another network switch

You can use any port to make a connection to another switch, with either straight or crossover cable, as all the ports support Auto MDI/MDI-X.

Rack mounting the switch

The switch can either be installed standalone or mounted in a 19" rack. The switch is supplied with two rack mounting brackets and screws for this purpose.

Troubleshooting

The power LED is not lit

- Check the power cable is properly connected to both the mains outlet and the switch

- Make sure the power at the mains socket is switched on!

The Link/Act LED is not lit when connected to a network device

- Check the power cable and power switch of the **device connected to the switch**. Make sure it is turned on!

- Check the network cable. Make sure it is properly connected to the switch and to the network device. The segment length has to be below 100 metres (see remark above) and all cables and connectors should be at least category 5 compliant.

- If this does not solve the problem try another port of the switch that works OK and also check if the other device works OK by attaching it to another properly working network switch

- If you experience any other problems with the switch please contact LINDY or your supplier.

Radio Frequency Energy, Certifications

FCC Warning

This equipment has been tested and found to comply with the limits for a Class A Digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received; including interference that may cause undesired operation.

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